US ARMY CORPS
OF ENGINEERS
New England District

Contract No. DACW33-03-D-0004

Delivery Order No. 22

July 2007

FINAL
North of Wood St. Monitoring Summary Report 2006 Remedial Dredging

Environmental Monitoring, Sampling, and Analysis

New Bedford Harbor Superfund Site

New Bedford Harbor, MA

FINAL REPORT

North of Wood St. Monitoring Summary Report
2006 Remedial Dredging

Environmental Monitoring, Sampling, and Analysis
New Bedford Harbor Superfund Site
New Bedford Harbor, MA

Submitted to:

Department of the Army
U.S. Army Corps of Engineers
North Atlantic Division
New England District

Contract Number: DACW33-03-D-0004
Delivery Order Number: DO#22

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July 2007

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EXECUTIVE SUMMARY

The North of Wood St. (NWS) sampling occurred in November 2006, and was conducted in support of remedial dredging activities in New Bedford Harbor. In 2002-2003 approximately 15,000 cubic yards of material was removed from the NWS area. The NWS site was remediated using methods to eliminate the potential for sediment resuspension and recontamination. However, post-remediation sampling identified elevated PCB concentrations on the eastern shoreline of the NWS area, and in certain sub-tidal locations. The November 2006 sampling was conducted to assess the effectiveness of prior remediation and potential recontamination of this area due to sediment transport from unremediated areas. Additional studies in this area are proposed for 2007.

The NWS includes in-river sediments and marsh soils on the eastern and western shores of the river. A total of 15 push-core samples were collected in this area. Additionally, 7 soil samples were collected via push-core from the shoreline of the Acushnet River north of Wood Street. Surface sediments at each of the in river samples were similar with a thin layer of fine black silt. Below this surface layer most of the stations were characterized by medium to fine sand and clay. However, the soil samples ranged greatly from medium to fine sandy soil to a dry crumbly sand and pebble mixture to decaying vegetation in sandy soils. All samples were analyzed for 18 PCB congeners, and 4 samples were selected to be analyzed for PCB homologue groups.

Total PCB concentrations in river sediment samples ranged from 0.16 mg/kg to 100 mg/kg. Compared to the results obtained from the January 2006 sampling event (ENSR), approximately half of the November 2006 data points showed an increase in PCB concentrations, while the other half showed a decrease. The largest increases in PCB concentrations from previous measurements were found in the mid-channel stations. Total PCB concentrations for the 5 soil samples collected from the remediated areas on the eastern shoreline ranged from 0.082 mg/kg to 0.35 mg/kg. Total PCB concentrations in shoreline soils indicated that the fall 2005 shoreline excavation was effective, and no substantial recontamination occurred between December 2005 (completion of remediation) and November 2006 (Battelle sampling event).

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1.0 INTRODUCTION

The New Bedford Harbor Superfund Site (Site), located in Bristol County, Massachusetts, extends from the shallow northern reaches of the Acushnet River estuary south through the commercial harbor of New Bedford and into 17,000 adjacent acres of Buzzards Bay (Figure 1). Industrial and urban development surrounding the harbor has resulted in sediments becoming contaminated with high concentrations of many pollutants, notably polychlorinated biphenyls (PCBs) and heavy metals. At least two manufacturers in the area used PCBs while producing electronic devices from 1940 to the late 1970s, when the use of PCBs was banned by the EPA. Based on human health concerns and ecological risk assessments, the U.S. Environmental Protection Agency (USEPA) added New Bedford Harbor to the National Priorities List in 1983 as a designated Superfund Site. Through an Interagency Agreement between the USEPA and the U.S. Army Corps of Engineers, New England District (USACE NAE), the USACE is responsible for carrying out the design and implementation of the remedial measures at the site. The Site has been divided into three areas – the upper, lower and outer harbors – consistent with geographical features of the area and gradients of contamination (Figure 2).

Aerovox Inc. in New Bedford, MA used PCBs from c. 1940 to c. 1977 in the manufacture of electrical capacitors and transformers. This facility is considered one of the major sources of historic PCB contamination to New Bedford Harbor. The highest concentrations of PCBs were found in sediments in a 5-acre area in the northern portion of the Acushnet River Estuary adjacent to the Aerovox facility. These 'hot spot' sediments, which contained PCBs upwards of 100,000 mg/kg, were removed between 1994 and 1995 as part of USEPA's first clean-up phase. Full scale remediation dredging was initiated in 2004 and continued in 2005 and 2006. To a lesser extent, PCB contamination in New Bedford Harbor is related to activities at the Cornell-Dubilier mill on the western shore of the outer harbor. In 2005 a 15 acre underwater cap pilot project was implemented near Cornell-Dubilier to cap PCB contaminated sediments.

Located at the far northern end of the Upper Harbor are areas which have been prioritized for restoration activities based on their location in residential neighborhoods. The North of Wood Street area (NWS) includes in-river sediments and marsh soils on the eastern and western shores of the river. The area ranges from approximately 250-ft south of the Wood St. Bridge to approximately 0.25 miles north of the bridge. Sediments and soils in the NWS area previously had PCB concentrations as high as 46,000 mg/kg. Per the 1998 Record of Decision (ROD), clean up criteria were set at 1 mg/kg for residential shoreline areas, 10 mg/kg for the sub-tidal sediments, 25 mg/kg for the top foot of shoreline soils in the two shoreline parks, and 50 mg/kg for shoreline soils deeper than the top foot in the two shoreline parks.

In the winter of 2002-2003 approximately 15,000 cubic yards of material was removed from the NWS area. The site was remediated using temporary dams and pumps to divert river water around the site. This allowed excavation activities to be conducted on dry sediments and soils, thus eliminating the potential for sediment resuspension and recontamination. Clean fill was used to restore the river banks, but sub-tidal areas were left at the depth of excavation (i.e., not backfilled). Marsh and upland vegetation was planted above the low water line to stabilize and restore the shoreline. In August of 2004 post-remediation sampling revealed elevated PCB

concentrations on the eastern shoreline of the NWS area, and in certain sub-tidal locations. Elevated concentrations were found above the high tide line suggesting that incomplete remediation was a more likely cause than recontamination from in-river sources. Additional remediation and restoration efforts were conducted in December of 2005 to remove the remaining contamination. Samples collected before and after this effort showed an improvement in shoreline PCB concentrations (ENSR 2006).

Sampling was conducted to assess the effectiveness of prior remediation and potential recontamination of this area due to sediment transport from unremediated areas. A planning meeting was held on October 26, 2006 with the USACE, EPA, and Battelle to determine the priority locations for the 2006 sampling. Twenty-one (21) sampling locations were selected (Figure 3). These included 14 sediment stations in the river, 5 soil locations in the remediated marsh area on the east side of the river south of River View Park, and 2 shoreline locations on the lumber yard site on the west side of the river.

This report describes sampling activities conducted in November 2006 at the NWS area. A description of survey methods is provided in Section 2. Results of sampling and testing are provided in Section 3. A discussion of the survey results are provided in Section 4.

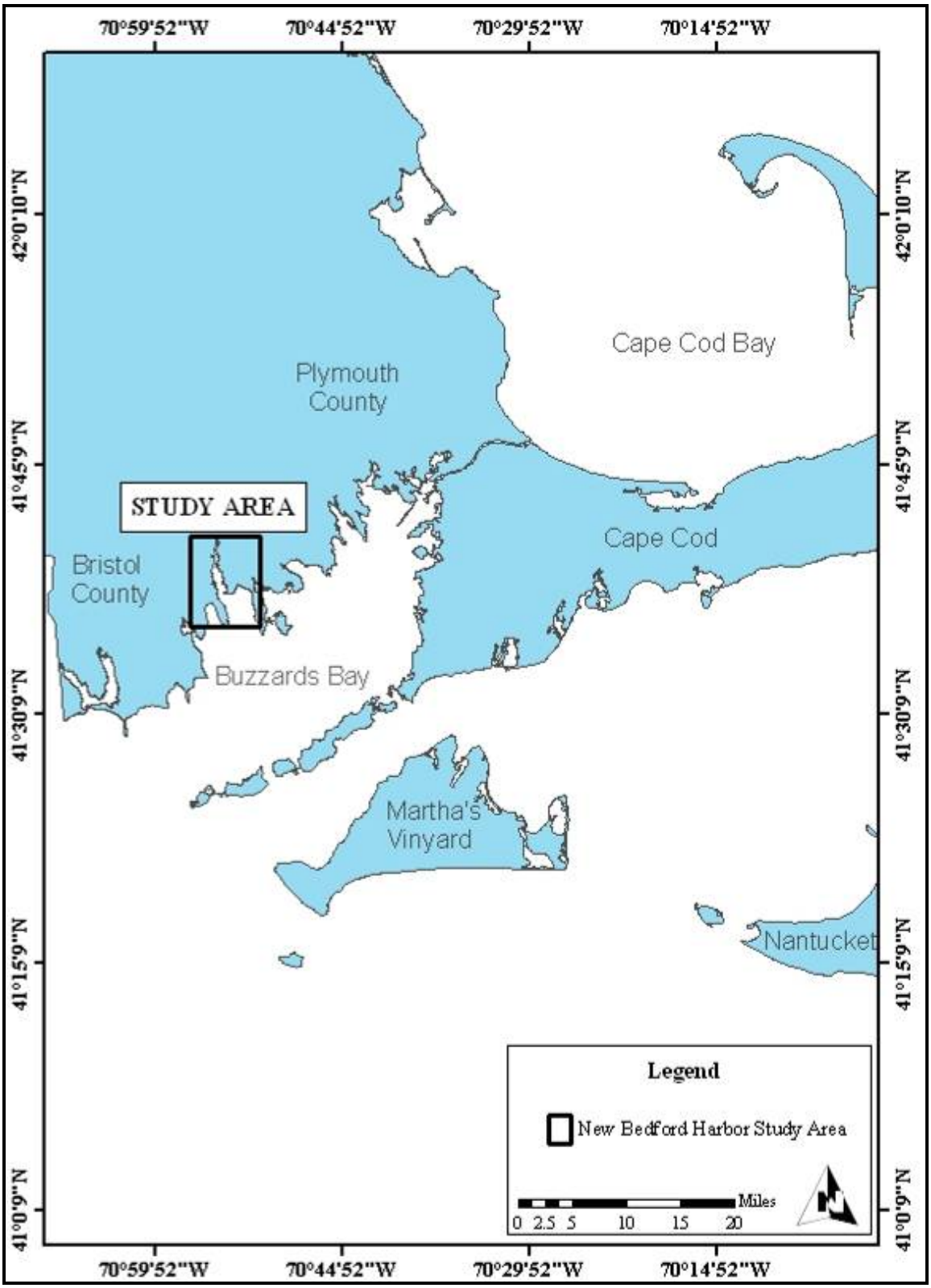

Figure 1. Location of the Site in Southeastern, MA.

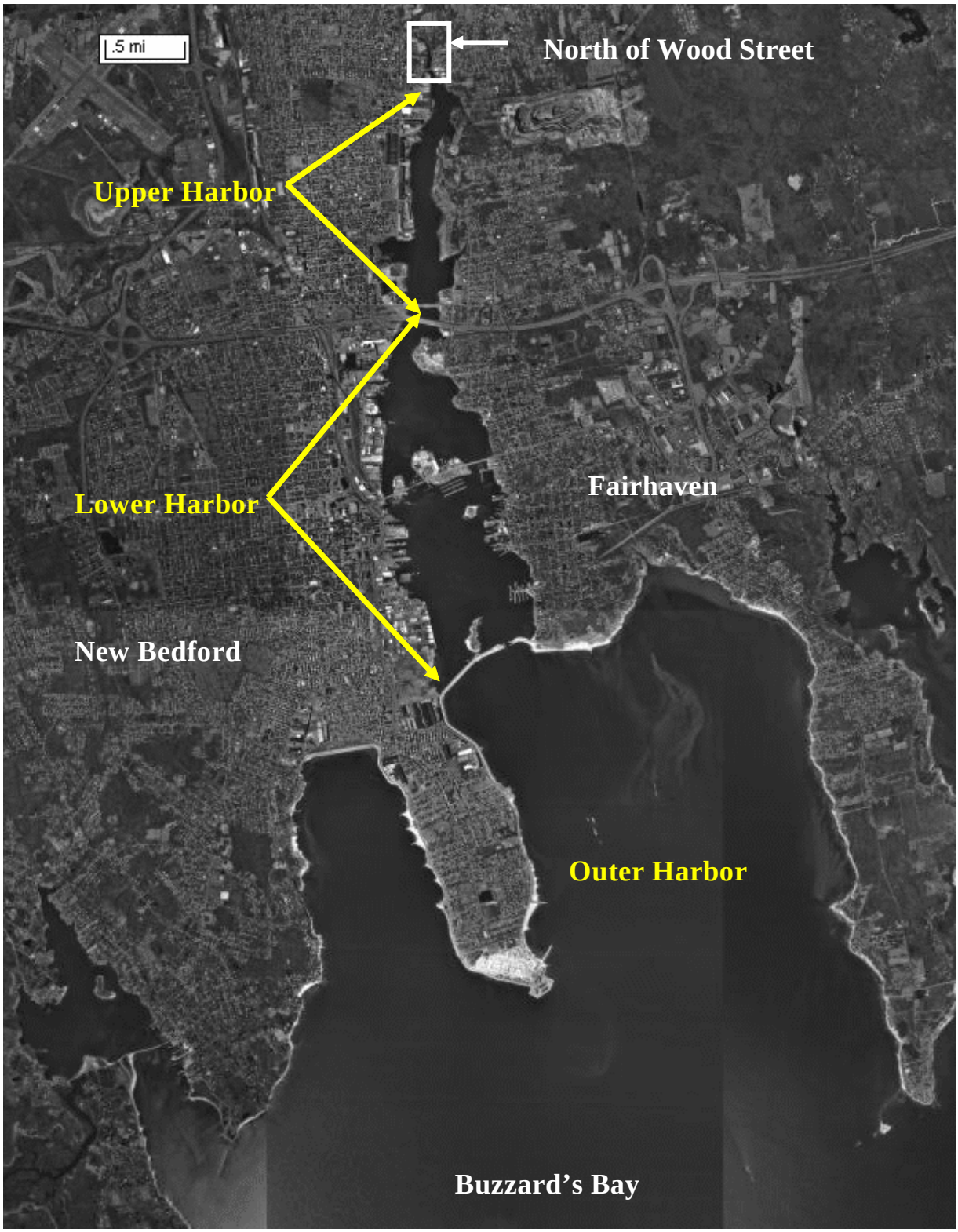

Figure 2. New Bedford Harbor Project Areas.

Figure 3. Locations of 2006 NWS Sampling Stations

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2.0 METHODS

The Battelle QAPP (Battelle, June 2006a) and the Sediment Monitoring Field Sampling Plan (FSP) (Battelle, July 2006b) contain additional details on survey/sampling methods.

2.1 Sediment and Soil Collections

In-river sediments were collected in Lexan™ core barrels attached to a stainless steel push core sampler. In all cases, a one foot core was targeted. Samples in deeper waters were collected from a boat, while shallow water samples were collected by wading. The push core sampler is designed to securely hold one end of a pre-cut length of core barrel. The stainless steel socket which holds the core liner was attached to a suitable length of push rod based on the water depths for the sampling effort. A piston assembly inside the core barrel was used to create suction during retrieval of the sample so that no sediment was lost from the bottom the barrel. The piston assembly was positioned just inside the leading end of the core liner and the piston line was held loosely on deck. The device was lowered into the water until the leading end of the core bore barrel contacted the sediment surface. The piston attachment line was then tied off securely on the deck, thus fixing the elevation of the piston assembly. In driving the push-core into the sediment, the piston created a syringe effect as the core liner was driven past the fixed elevation of the piston. The sampler was recovered onto the deck. The bottom end of the core barrel was fitted with a plastic cap, after which the sediment on the external body of the sampler was rinsed off. After thoroughly cleaning the sampling device the core liner was removed from the socket assembly, the piston assembly was then removed, and the top of the core liner was fitted with a plastic end cap. Soil samples were collected in Lexan™ core barrels inserted into a soil auger.

All cores were kept intact in the liners and returned to the Sawyer St. field trailer for photodocumentation, visual characterization, and subsampling for chemical analysis. Once the core was deemed acceptable, a Sediment Sampling Log sheet was completed. The log form included date and time, sample coordinates, sample ID, sediment characteristics, and any other descriptive information. These log sheets are provided in Appendix A.

2.2 Processing

All cores were documented with digital photographs. Digital photographs of the cores were uploaded to the New Bedford Harbor project database. These photographs are linked in the database to the location information and to the analytical results and can be viewed individually. The file name of each photo taken was recorded on the Sediment Sampling Log forms. Each photograph contains the following elements in the frame:

- *The sediment core*. Photographing was done through the clear liner.
- *Measurement reference*. A tape measure (or equivalent) marked in decimal feet ran parallel to length of the core.
- *Sample identifier*. A card, paper, whiteboard, or equivalent was placed next to the core with the following written information:
    - Sample ID
    - Station location

- Date
- Time
- Indication of the top vs. bottom of the core

Two 6-inch composite samples were taken from each core. The sample from the 0.0 – 0.5 foot interval was analyzed for PCBs. The sample from the 0.5 – 1.0-foot interval was frozen and archived until further notice. Samples were collected into 8 oz glass jars with Teflon lined lids. All samples were held on ice while in the field and frozen upon receipt at the laboratory. Holding times for samples were 14 days to extraction and 40 days to analysis.

2.3 Analytical

See the QAPP Addendum *Environmental Monitoring, Sampling, and Analysis at the New Bedford Harbor Superfund Site, New Bedford, MA* for detailed analytical requirements (Battelle, 2006a).

The analyses of 18 NOAA PCB congeners and PCB homologue groups in sediment/soil samples were conducted by Battelle Duxbury laboratory. Results are provided in Appendix B. Sediment/soil samples were extracted following modified EPA Method 3545. Samples were air-dried overnight to ensure percent solids in the samples were >50%. Approximately 5 g of air-dried sample was spiked with surrogates and extracted using Accelerated Solvent Extraction (ASE). The extracts were processed through activated copper and then received disposable Florisil column clean-up. In response to expected high concentrations of PCBs in these samples, most of the sample extracts were pre-diluted prior to analysis. However, some of the extracts still required further dilution in order to resolve concentrations for compounds that exceeded the calibration range during the initial analyses.

The post-Florisil extract was concentrated and fortified with internal standards (IS). All extracts were analyzed for 18 NOAA PCB congeners using gas chromatography/electron capture detector (GC/ECD), following modified EPA Method 8082. Sample data were quantified by the method of internal standards, using the spiked IS compounds. Positive congener results were confirmed by a secondary column confirmation analysis with the higher of the two results reported, unless analyst discretion required otherwise (e.g. the result without an interference signal was reported).

Extracts selected for PCB homologue analysis (approximately 7.5% of all the samples) were analyzed using gas chromatography/mass spectrometry (GC/MS), following modified EPA Method 1668A. Sample data were quantified by the method of internal standards, using the IS compounds.

3.0 RESULTS

3.1 Sample Collection and Analysis

A total of 15 surface sediment samples (14 field samples + 1 field duplicate) were collected. Additionally, 7 soil samples were collected from the shoreline of the Acushnet River north of Wood Street. Table 1 lists sample collection information. Appendix A contains sediment and soil Sampling Field Logs.

All samples were analyzed for 18 PCB congeners, and 4 samples were selected by the Battelle field team to be analyzed for PCB homologue groups. Sample analysis was performed by Battelle Duxbury laboratory. Detailed analytical results, including concentrations for individual 18 congeners and concentrations for individual homologue groups are presented in Appendix B.

Table 1. Listing of Field Data from the North of Wood St. Core Surveys

North Of Wood St. Core Collections				
Station	**Collection Date**	**Collection time**	**Northing (NAD 83 MA ft)**	**Easting (NAD 83 MA ft)**
Sediment Samples				
C006-033	11/06/2006	8:33	2708615	815412
C006-028	11/06/2006	9:01	2708704	815401
C006-039	11/06/2006	10:13	2708513	815410
C006-040	11/06/2006	10:36	2708514	815466
C006-049	11/06/2006	10:49	2708403	815469
C006-048	11/06/2006	11:01	2708382	815420
C006-030E	11/06/2006	12:55	2708682	815497
C006-055	11/07/2006	7:42	2708268	815460
C006-062	11/07/2006	8:03	2708165	815566
C006-023	11/07/2006	9:40	2708814	815412
C006-030W	11/07/2006	14:42	2708653	815363
C006-016	11/07/2006	15:15	2708946	815393
C006-010	11/07/2006	15:40	2709108	815349
C006-038	11/08/2006	11:24	2708518	815383
Soil Samples				
06-NWS-36	11/06/2006	13:40	2708762	815513
06-NWS-35	11/06/2006	13:55	2708761	815509
06-NWS-34	11/07/2006	15:20	2708923	815338
06-NWS-38	11/07/2006	13:50	2708819	815500
06-NWS-37	11/07/2006	12:45	2708682	815535
06-NWS-39	11/07/2006	13:20	2708820	815509
06-NWS-33	11/15/2006	13:54	2709040	815330

3.2 Physical Characteristics

3.2.1 Surface Sediments

Surface sediments at each of the in river samples were similar. A relatively thin layer (0.1 – 0.4 feet) of fine black silt was found at each location. Below this surface layer most of the stations were characterized by medium to fine sand and clay. There were a few exceptions, including the northernmost station (C006-010) which had unconsolidated coarse sand, pebbles, and rock; and station C006-023 which contained a 0.2-ft thick layer of wood chips. Appendix A contains characterization logs of each of the stations.

3.2.2 Shoreline Soils

Soil samples collected on the western side of the river on the lumber yard site were somewhat different than the samples collected in the recently remediated areas on the eastern shore south of River View Park. The upper 0.5-ft of sample in the western locations consisted of a medium to fine sandy soil. At the more northerly site (NWS-33) the bottom 0.5-ft of sample was a dry crumbly sand and pebble mixture. At the more southerly station (NWS-34) the lower portion of the core was packed with a layer of decaying vegetation in sandy soils.

The eastern shoreline samples showed some variability even over the relatively small horizontal distribution. The two northernmost stations contained ~0.5-ft of medium-grained sand and clay over a 0.5-ft of coarse sand, gravel, and clay. This presumably represents the backfilled soils overlying the gravel/sand base layer. Samples NWS-35 and NWS-36 were nearly identical to each other. Each sample consisted of ~0.75-ft of coarse to fine sand with a silt and organic component. Refusal was consistently met at the bottom of these cores, and deeper samples could not be obtained. Station NWS-37 was the southernmost of the soil locations. This sample consisted of 0.4-ft of brown sandy clay on top of an erosion control netting. Below this was a heterogeneous mixture of clay, pebbles, sand, and asphalt. Appendix A contains characterization logs of each of the stations.

3.3 PCB Congener Results

Table 2 presents the total PCB results total PCB concentration results in river sediment samples and shoreline soil samples collected from the North of Wood Street area during the November 2006 sampling effort by Battelle. Total PCBs presented in Table 2 were calculated as the sum of 18 NOAA congeners multiplied by the project-specific factor of 2.6 for both sediments and shoreline soils. Non-detected results were treated as 0 mg/kg, and not included in the calculation.

Total PCB concentrations in sediment samples ranged from 0.16 mg/kg to 100 mg/kg. Total PCB concentrations for the 5 soil samples collected from the remediated areas on the eastern shoreline ranged from 0.082 mg/kg to 0.35 mg/kg, all below 1 mg/kg. The distribution of PCBs in sediments and surface soils are shown in Figure 4. Analytical PCB results are provided in Appendix B.

Table 2. Summary of Total PCB Concentrations in Sediments and Shoreline Soils

Station ID	Total PCB * (mg/kg)
Sediment Samples	
C006-010	2.4
C006-016	15
C006-023	8.5
C006-028	18
C006-028 DUP	9.4
C006-030W	0.16
C006-030E	0.72
C006-033	93
C006-038	1.8
C006-039	13
C006-040	47
C006-048	100
C006-049	12
C006-055	9.6
C006-062	40
Soil Samples	
06-NWS-33	0.014
06-NWS-34	3.4
06-NWS-35	0.27
06-NWS-36	0.14
06-NWS-37	0.35
06-NWS-38	0.15
06-NWS-39	0.082

* Sum of 18 congeners x 2.6

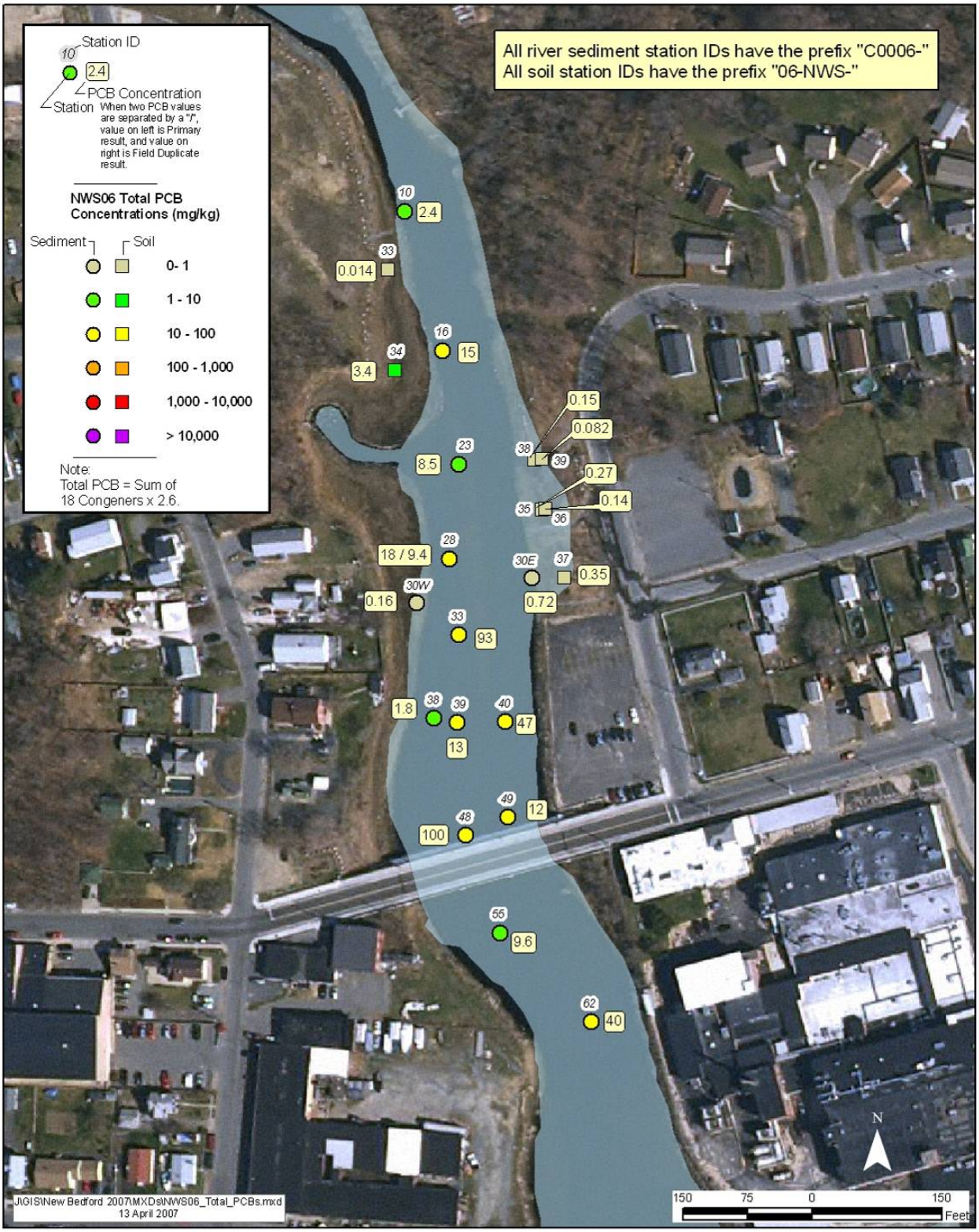

Figure 4. Total PCB Concentrations in Sediment and Soil Samples North of Wood St.

3.4 PCB Homologue Comparison

Out of the 22 samples collected from the North of Wood Street area, 4 samples were selected for PCB homologue group analysis. Table 3 summarizes the total PCB concentrations calculated as the sum of the homologue results and the corresponding total PCB concentrations calculated by congener results for these 4 samples. As indicated in Table 3, total PCB concentrations calculated by congener results are generally comparable to those calculated by homologue results. However, total PCBs calculated by congener results appeared to be slightly lower than those calculated by homologue results, with the relative difference decreasing with increasing total PCB concentration in the sample. Due to the small number of samples available for comparison it is difficult to evaluate the reasons or implications of this difference. During the 2006 post dredge sampling a greater number of samples were collected for homologue-congener comparison. These results are discussed in the Sediment Monitoring Summary Report for 2006 Remedial Dredging (Battelle, in preparation).

Table 3. Total PCB Concentrations Calculated by Congener and Homologue Results

Sample ID	Total PCBs Calculated by Congener Results* (mg/kg)	Total PCBs Calculated by Homologue Results** (mg/kg)
S-06D-C006028-00-05	18	19
S-06D-C006028-00-05-DUP	9.4	11
S-06D-06NWS34-00-05	3.4	3.9
S-06D-06NWS38-00-05	0.15	0.29

* Sum of 18 congeners x 2.6, non-detect = 0 mg/kg.
** Sum of 10 homologue groups, non-detect = 0 mg/kg.

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4.0 DISCUSSION

The North of Wood Street area was previously remediated by Tetra Tech FW, Inc (TTFW) in 2002-2003 to remove PCB-contaminated sediments and soils from the river and surrounding shoreline. A confirmatory sampling event was conducted by TTFW immediately following the remediation in February 2003. In August 2004 (pre-dredging), May 2005 (spring flow conditions), September 2005 (pre-dredging, late summer flow), and January 2006 (post-dredging), ENSR conducted four sampling events in the area to evaluate changes in river sediment PCB concentrations that may have occurred due to seasonal influence and/or dredging/remediation activities.

Table 4 summarizes the total PCB concentrations in sediments measured from previous sampling events ENSR (2006) and TTFW (2003) and for stations revisited in November 2006. The January 2006 sampling revealed an increase in PCB concentrations at in-river locations relative to previous sampling events. This increase could have resulted from a) transport of sediments from the upper harbor during dredging activities, b) natural (i.e., non-dredging related) transport of sediments from the upper harbor, or c) from releases during the small-scale (approximately one-half acre) inter-tidal zone remedial excavation in November/December 2005. The sampling effort conducted by Battelle in November 2006 following the 2006 dredging was to further assess potential recontamination of this area.

Total PCB concentrations in river sediment samples collected during Battelle's November 2006 sampling effort ranged from 0.16 mg/kg to 100 mg/kg. Compared to the results obtained from the January 2006 sampling event (ENSR), approximately half of the November 2006 data points showed an increase in PCB concentrations, while the other half showed a decrease. PCB concentrations in mid-channel stations (Stations 33, 48 and 40), showed the largest increases in concentrations from previous measurements. As has been noted during previous monitoring activities, this area is subject to dynamic sediment movements and is characterized by heterogeneous sediments. The variations observed in sediment concentrations at individual stations in 2006 are likely related to these factors. Annual monitoring will continue in this area as needed to continue to assess the potential for recontamination from the unremediated harbor areas immediately to the south.

Table 4. Total PCB Concentrations in River Sediment Samples from the North of Wood Street Area.

Station ID	TTFW	ENSR				Battelle
	Feb 2003 PCB Conc.* (mg/kg)	Aug 2004 PCB Conc.* (mg/kg)	May 2005 PCB Conc.* (mg/kg)	Sept 2005 PCB Conc.* (mg/kg)	Jan 2006 PCB Conc.* (mg/kg)	Nov 2006 PCB Conc.* (mg/kg)
C006-010	6.1	20	-	82	1	2.4
C006-016	4.6	13	-	18	16	15
C006-023	8.3	22	4	2	4	8.5
C006-028	0.5	63	10	0.2	11	18
C006-028	-	-	-	-	-	9.4
C006-030W	-	-	-	0.4	5	0.16
C006-030E	-	-	-	0.7	89	0.72
C006-033	0.4	65	22	1	17	93
C006-038	0.5	36	-	5	9	1.8
C006-039	0.5	64	5	-	-	13
C006-040	2.9	72	81	73	187	47
C006-048	0.4	23	9	-	-	100
C006-049	12	160	37	6	4	12
C006-055	0.4	61	-	7	20	9.6
C006-062	7.4	19	-	0.9	1	40

* Sum of 18 congeners x 2.6

Total PCB concentrations in shoreline soils measured in the most recent sampling event, indicated that the fall 2005 shoreline excavation was effective, and no substantial recontamination occurred between December 2005 (completion of remediation) and November 2006 (Battelle sampling event).

5.0 REFERENCES

Battelle, June 2006a. *Environmental Monitoring, Sampling, and Analysis Quality Assurance Project Plan Addendum New Bedford Harbor Superfund Site, New Bedford, Massachusetts*. Prepared under Contract DACW33-03-D-0004 Task Order No 0022 for the U.S. Army Corps of Engineers New England District, Concord, MA.

Battelle, 2006b. *Sediment Monitoring Field Sampling Plan New Bedford Harbor Superfund Site, New Bedford, Massachusetts*. Prepared under Contract DACW33-03-D-0004 Task Order No 0022 for the U.S. Army Corps of Engineers New England District, Concord, MA.

ENSR Corporation. August 2004. *Field Sampling Plan Addendum New Bedford Harbor Superfund Site.* Prepared Under USACE Contract No. Dacw33-00-D-0003 Task 010. U.S. Army Corps of Engineers New England District Concord, Massachusetts

ENSR Corporation. March 2006. *2005 Monitoring Summary Report; North of Wood Street Area Sampling.* Prepared Under USACE Contract No. Dacw33-00-D-0003 Task 012. U.S. Army Corps of Engineers New England District Concord, Massachusetts

Tetra Tech FW, Inc. August 2004. *North of Wood Street Confirmatory Sampling Report, New Bedford Harbor Superfund Site.*

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Appendix A

Sediment and Soil Sampling Field Logs

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Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	C006-010	Time On Station:	1540	**All measurements are ±0.1 feet**	
Core Sample ID:	S-06D-C00610-00-05	Northing (NAD 83):	2709107.8	Water Depth (*A*):	1.0
Logged by:	DM	Easting (NAD 83):	815349.5	Length of push core assembly (*B*):	
Collection Mechanism:	*Push-Core*	GPS Accuracy:	4.1	Water surface to top of handle (*C*):	
Date:	11-7-06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	0.7
		Time of Collection:	1540	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	1545	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(*G*) Elevation of Water Surface (NVGD): *E - F*

(*H*) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(*z**) Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(*I*) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D* NA

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
0.7								
0.6	fines: IT	Black	Soft	v. fine				S-06D-C00610-00-05
		Coarse Sand Pebbles	grey	loose	Coarse			
0.3								
0.0		Coarse Sand Clay Rock!	grey	loose	coarse			Bottom 0.2 was Too pebbly and Too SLorT To save for archive

File ID of digital photograph(s):

Comments:
Had previously attempted w/ boat but bottom to hard and sandy all cores washed out. Collected by wading.

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Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	C006-016	Time On Station:	1500	**All measurements are ±0.1 feet**	
Core Sample ID:	S-06D-C006016-00-05	Northing (NAD 83):	2708945.9	Water Depth (*A*):	0.5'
Logged by:	DM	Easting (NAD 83):	815393.5	Length of push core assembly (*B*):	
Collection Mechanism:	*Push-Core*	GPS Accuracy:	4.2	Water surface to top of handle (*C*):	
Date:	11-7-06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	0.7' *
		Time of Collection:	1515	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	1525	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)* NA

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D*

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
0.0								
0.5	fine	Silt/ Sand	Black	Soft	med			S-06D-C006016-0005
		Coarse Sand + Silt	DK Grey	loose	Med/ coarse			not enough material for bottom Archive. MRF 11/8/06
0.0								

File ID of digital photograph(s):

Comments:

* Could not penetrate any deeper. Waded in for sample

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Project Name: *New Bedford Harbor Environmental Monitoring* **Project #:** *G606422*
Location: *New Bedford, MA* **Vessel:** CR environmental skiff
Client: *USACE NAE* **Chief Scientist:** Alex Mansfield

					1st	2nd
Station ID:	C006-023	Time On Station:	0927	**All measurements are ±0.1 feet**		
Core Sample ID:	S-06D-C006023-00-05	Northing (NAD 83):	2708814.2	Water Depth (*A*):	5.3'	5.3'
Logged by:	MW	Easting (NAD 83):	815411.7	Length of push core assembly (*B*):	6.9'	10.0'
Collection Mechanism:	*Push-Core*	GPS Accuracy:	2.3	Water surface to top of handle (*C*):	0.6'	2.9'
Date:	11/7/06	Predicted Tide (ft):	1st 2nd	Length of core (from bottom) (*D*):	0.6'	1.1
		Time of Collection:	0932 0940	Surveyed elevation (NVGD 29) (*E*):		
		Time Depart Station:	0950	Water surface from surveyed elevation (*F*):		

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D*

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

NA

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
1.1		Silt to sand	gray black	loose	fine to medium		S-06D-C-006023-00-05	
0.7		wood	salmon	loose	medium		S-06D-C006023-05-10 (ARCHIVE)	
0.5		sand and clay	olive gray	firm	fine			
0.0								

File ID of digital photograph(s):

Comments:
1st Attempt - good short core (discarded)
2nd Attempt - good - strong H_2S odor

Battelle
The Business of Innovation

Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	C006-028	Time On Station:	0948	All measurements are ±0.1 feet	
Core Sample ID:	S-06D-C006028-00-16DUP	Northing (NAD 83):	2708704	Water Depth (*A*):	5.8
Logged by:	AM	Easting (NAD 83):	815401	Length of push core assembly (*B*):	10.0'
Collection Mechanism:	Push Core	GPS Accuracy:	1.6	Water surface to top of handle (*C*):	2.3'
Date:	11/6/06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	1.3'
		Time of Collection:	0920	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	0948	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D* NA

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
1.3		Silt organics	Black	Soft	fine		S-06D-C006028-00-03-DUP	*
1.0		fine Sand & clay	olive gray	firm	fine		8	
0.0								

File ID of digital photograph(s):

Comments:

* Homologue + Congener

Battelle
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Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

					1ST	2nd
Station ID:	C006-028	Time On Station:	0848	All measurements are ±0.1 feet		
Core Sample ID:	S-06D-C006-028-00-10	Northing (NAD 83):	2708704	Water Depth (*A*):	5.8	5.8'
Logged by:	AM	Easting (NAD 83):	815401	Length of push core assembly (*B*):	10.8	10.0'
Collection Mechanism:	Push-Core	GPS Accuracy:	1.6	Water surface to top of handle (*C*):	2.2'	2.3'
Date:	11/6/06	Predicted Tide (ft):	1ST / 2nd	Length of core (from bottom) (*D*):	—	1.3'
		Time of Collection:	0956 / 0901	Surveyed elevation (NVGD 29) (*E*):		
		Time Depart Station:	0948	Water surface from surveyed elevation (*F*):		

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D*

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

NA

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
1.3								
1.0	—	Silt/ organics	Black	Soft	fine	—	—	S-06D-C006028-00-05
		fine Sand + clay	olive gray	firm	fine			S-06D-C006028-05-10 (archive)
0.0								

File ID of digital photograph(s):

Comments:

1ST attempt - crushed core

2nd attempt - OK.

* Conventional + Homologue

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Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

			1st	end		1st	2nd
Station ID:	C006-030WE ①	Time On Station:	0804	1246	**All measurements are ±0.1 feet**		
Core Sample ID:	S-06DC006030W-00-10	Northing (NAD 83):	2708682.1		Water Depth (*A*):	6.0'	5.4
Logged by:	MW	Easting (NAD 83):	815497.0		Length of push core assembly (*B*):		
Collection Mechanism:	*Push-Core*	GPS Accuracy:	2.5		Water surface to top of handle (*C*):	2.0'	2.7
Date:	11/6/06	Predicted Tide (ft):			Length of core (from bottom) (*D*):		
		Time of Collection:	805	1255	Surveyed elevation (NVGD 29) (*E*):		
		Time Depart Station:	0815		Water surface from surveyed elevation (*F*):		

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D*

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

NA

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
0.8		organics and sand	Black Brown	Sandy	fine to med		S-06D-C006030W-00-05	
0.7		sand	Olive Brown	Sandy	fine to med		S-06D-C006030W-05-10 (Archive)	
0.0								

File ID of digital photograph(s):

Comments:
- Rock and Gravel Bottom - moved from given coordinates
1st Attempt washout
2nd Attempt washout - no core collected
- could not find suitable bottom (moved on to next station)

① station location should be C006E, incorrectly labeled in planning phase

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Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	C006-030E W①	Time On Station:	1406	All measurements are ±0.1 feet	
Core Sample ID:	S-06D-C006030E-00-10	Northing (NAD 83):	2708653.3	Water Depth (*A*):	0.0
Logged by:	CAM	Easting (NAD 83):	815363.1	Length of push core assembly (*B*):	
Collection Mechanism:	*Push-Core*	GPS Accuracy:	2.4	Water surface to top of handle (*C*):	
Date:	11/7/06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	1.0
		Time of Collection:	1442	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	1450	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D*

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

NA

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
1.0		Soil Med/ fine Sand	Brown	loose Dry	med			Higher moisture content. lower
0.5								
0.0								S-06D-C006030E-00-05 S-06D-C006030E-00-10 (Archive)

File ID of digital photograph(s):

Comments:
sampled by walking.
location is ~2' in marsh grass. ~10-12' above boulder line

① Station location should be 030W; incorrectly labeled in planning phase

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Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

					1st	2nd
Station ID:	C006-633	Time On Station:	0819	**All measurements are ±0.1 feet**		
Core Sample ID:	S-06D-C006033-00-10	Northing (NAD 83):	2708615.2	Water Depth (*A*):	6.4'	6.3'
Logged by:	MW	Easting (NAD 83):	815417.3	Length of push core assembly (*B*):	10.0'	10.0'
Collection Mechanism:	*Push-Core*	GPS Accuracy:	1.84	Water surface to top of handle (*C*):	2.5'	1.9'
Date:	11/6/06	Predicted Tide (ft):	1st 2nd	Length of core (from bottom) (*D*):	0.7'	1.3'
		Time of Collection:	0823 0833	Surveyed elevation (NVGD 29) (*E*):		
		Time Depart Station:	0843	Water surface from surveyed elevation (*F*):		

Calculations for Determination of Z* Elevation

(*G*) Elevation of Water Surface (NVGD): *E - F*

(*H*) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(*z**) Elevation of visual transition (NVGD): *H + (distance to visual transition)* NA

(*I*) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D*

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
1.9		silt and organic matter	Black	loose	fine			H_2S odor
0.4		coarse sand clay streaks	gray/Brn	sandy	small to medium		S-06D-C006033-00-05	
0.0							S-06D-C006033-05-10 (Archive)	

File ID of digital photograph(s):

Comments:
1st Attempt - good short core 0.7 (discarded)
2nd Attempt - good (1.5') strong H_2S odor

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Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	038	Time On Station:	1120	**All measurements are ±0.1 feet**	
Core Sample ID:	C006-038	Northing (NAD 83):	2708518.3	Water Depth (*A*):	5.4
Logged by:	MW	Easting (NAD 83):	815383.0	Length of push core assembly (*B*):	5.7
Collection Mechanism:	*Push-Core*	GPS Accuracy:	1.9	Water surface to top of handle (*C*):	2.9
Date:	11/8/06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	0.5
		Time of Collection:	1124	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	1130	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D* NA

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
0.5		Silt/Sand	Black	Dense	Fine			
0.4		Sand	gray	Dense	Fine to med			S-06D-C006038-0005
0.0								No material for Archive MRF 11/8/06

File ID of digital photograph(s):

Comments:
- on several attempts derived any penetration at all on original C006-038 Coordinates.
- moved several feet to above coordinates - short core derived penetration below 0.5

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The Business of Innovation

Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	C006-039	Time On Station:	1011	**All measurements are ±0.1 feet**	
Core Sample ID:	S-06D-C006039-00-10	Northing (NAD 83):	2708513.4	Water Depth (*A*):	5.5'
Logged by:	MW	Easting (NAD 83):	815409.9	Length of push core assembly (*B*):	7.0'
Collection Mechanism:	*Push-Core*	GPS Accuracy:	2.1	Water surface to top of handle (*C*):	0.0'
Date:	11/6/06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	1.1'
		Time of Collection:	1013	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	1023	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D*

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

NA

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
1.1		Silt	Black	loose	fine			S-06D-C006039-00-05
0.7		Clay	olive gray	firm	fine			0.2 - 0.3 sand layer between clay
0.3		sandy		sandy	medium			
0.2		clay		firm	fine			S-06D-C006039-05-10 (Archive)
0.0								

File ID of digital photograph(s):

Comments:

Battelle
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Project Name: *New Bedford Harbor Environmental Monitoring* | Project #: *G606422*
Location: *New Bedford, MA* | Vessel: CR environmental skiff
Client: *USACE NAE* | Chief Scientist: Alex Mansfield

Station ID:	C006 - 040	Time On Station:	1031	**All measurements are ±0.1 feet**	
Core Sample ID:	S-06D-C006040-00-10	Northing (NAD 83):	2708514.3	Water Depth (*A*):	5.6'
Logged by:	mw	Easting (NAD 83):	815465.6	Length of push core assembly (*B*):	7.0'
Collection Mechanism:	*Push-Core*	GPS Accuracy:	3.5	Water surface to top of handle (*C*):	0.1'
Date:	11/6/06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	1.1'
		Time of Collection:	1036	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	1041	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D*

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

NA

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
1.1		silt sand	Black gray	loose	fine med			S-06D-C006040-00-05
0.6		fine sand clay mix	Brown gray	firm	fine			S-06D-C006040-05-10 (ARCHIVE)
0.0								

File ID of digital photograph(s):

Comments:

Battelle
The Business of Innovation

Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	C606-049	Time On Station:	1045	**All measurements are ±0.1 feet**	
Core Sample ID:	S-06D-C006049-00-10	Northing (NAD 83):	2708403.3	Water Depth (*A*):	4.4'
Logged by:	MW	Easting (NAD 83):	815468.9	Length of push core assembly (*B*):	7.0'
Collection Mechanism:	*Push-Core*	GPS Accuracy:	3.0	Water surface to top of handle (*C*):	0.9'
Date:	11/6/06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	1.1'
		Time of Collection:	1049	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	1053	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D*

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

NA

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
1.1		silt	Black	loose	fine			H_2S
0.9		Clay	olive gray	firm	Fine			S-06D-C006049-00-05 S-06D-C006049-05-10 (Archive)
0.0								

File ID of digital photograph(s):

Comments:
Strong H_2S odor

Battelle
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Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	C006-048	Time On Station:	1058	**All measurements are ±0.1 feet**	
Core Sample ID:	S-06D-C006048-00-10	Northing (NAD 83):	2708381.7	Water Depth (*A*):	4.4'
Logged by:	MW	Easting (NAD 83):	815420.4	Length of push core assembly (*B*):	7.0'
Collection Mechanism:	*Push-Core*	GPS Accuracy:	3.9	Water surface to top of handle (*C*):	0.9'
Date:	11/6/06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	1.5'
		Time of Collection:	1101	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	1107	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D*

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

NA

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
1.5		some organics Silt	Black	loose	fine			H_2S
							S-06D-C006048-00-05	
0.7		Clay clay/sand	olive gray	firm sandy	fine medium		S-06D-C006048-05-10 (ARchive)	
0.0								

File ID of digital photograph(s):

Comments:
Lost GPS (due to Bridge) just after arriving on station
Strong H_2S odor

Battelle
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Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	C006-055	Time On Station:	0740	**All measurements are ±0.1 feet**	
Core Sample ID:	S-06D-C006055-0005	Northing (NAD 83):	2708268	Water Depth (*A*):	7.6
Logged by:	Am	Easting (NAD 83):	815460	Length of push core assembly (*B*):	10.0
Collection Mechanism:	Push-Core	GPS Accuracy:	2.4	Water surface to top of handle (*C*):	0.4
Date:	11/7/06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	1.3
		Time of Collection:	0742	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	0757	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D* NA

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
1.3		silt	Black	soft				S-06D-C006055-0005
1.0		clay w/ shell hash	olive gray	firm	fine			S-06D-C006055-0510 (ARCHIVE)
0.0								

File ID of digital photograph(s):

Comments:

Battelle
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Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	C006-062	Time On Station:	0802	**All measurements are ±0.1 feet**	
Core Sample ID:	S-06D-C006062-00-05	Northing (NAD 83):	2708165	Water Depth (*A*):	6.2
Logged by:	DM	Easting (NAD 83):	815566	Length of push core assembly (*B*):	10.0
Collection Mechanism:	*Push-Core*	GPS Accuracy:	2.5	Water surface to top of handle (*C*):	1.9
Date:	11/7/06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	1.5
		Time of Collection:	0803	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	0809	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D*

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

N/A

Elevation (NVGD) ((i.e. Bottom = *H*))	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
1.5								
1.25	—	Silt Fine Sand	DK grey	Med soft	med			S-06D-C006062-00-05
		Clay w/ Silt Sand Shell Hash	Grey w/ mixed	firm	med			S-06D-C00662-05-10 (Archive)
0.0								

File ID of digital photograph(s):

Comments:

Battelle
The Business of Innovation

Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	06-NWS-33	Time On Station:	1343	**All measurements are ±0.1 feet**	
Core Sample ID:	S-06D-06NWS33-0018	Northing (NAD 83):	2709040	Water Depth (*A*):	
Logged by:	MW	Easting (NAD 83):	815330.6	Length of push core assembly (*B*):	
Collection Mechanism:	*Push-Core*	GPS Accuracy:	2 2	Water surface to top of handle (*C*):	
Date:	11/15/06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	1.0
		Time of Collection:	1354	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	1350	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(*G*) Elevation of Water Surface (NVGD): *E - F*

(*H*) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(*z**) Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(*I*) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D* NA

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
1.0	Fine to med	Sand	Brown	wet cohesive	Fine to med			S-06D-06NWS33-0005
.5		Sand and pebbles	Greyish brown	Dry crumbly	med to coarse			S-06D-06NWS33-0510 (ARCHIVE)
0								

File ID of digital photograph(s):

Comments: GPS 003

collected w/ soil auger

Battelle
The Business of Innovation

Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	06-NWS-34	Time On Station:	1515	**All measurements are ±0.1 feet**	
Core Sample ID:	S-06D-06NWS34-0010	Northing (NAD 83):	2708923.3	Water Depth (*A*):	NA
Logged by:	DM	Easting (NAD 83):	815338.1	Length of push core assembly (*B*):	↓
Collection Mechanism:	*Push-Core*	GPS Accuracy:	4.1'	Water surface to top of handle (*C*):	↓
Date:	11-7-06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	1.0'
		Time of Collection:	1520	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	1540	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D* NA

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
1.0		Fine Sand Soil	Brown	Soft Cohesive	med			S-06D-06NWS34-0005 *
0.5		Vegetation						
0.0		med Sand Soil	Brown	Soft + Cohesive	med/ Coarse			S-06D-06NWS34-005-10 (Archive)

File ID of digital photograph(s):

Comments:

* Congener + Homologue

Battelle
The Business of Innovation

Project Name: *New Bedford Harbor Environmental Monitoring* | Project #: *G606422*
Location: *New Bedford, MA* | Vessel: CR environmental skiff
Client: *USACE NAE* | Chief Scientist: Alex Mansfield

Station ID:	06-NWS-37	Time On Station:	1230	All measurements are ±0.1 feet	
Core Sample ID:	S-06D-06NWS37-00-09	Northing (NAD 83):	2708682	Water Depth (*A*):	NA
Logged by:	AM	Easting (NAD 83):	815535	Length of push core assembly (*B*):	↓
Collection Mechanism:	Push-Core	GPS Accuracy:	3.2	Water surface to top of handle (*C*):	↓
Date:	11-7-06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	0.9'
		Time of Collection:	1245	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	1300	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(*G*) Elevation of Water Surface (NVGD): *E - F*

(*H*) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(*z**) Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(*I*) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D*

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

NA

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
0.9		Sand Clay	Brown	cohesive	med		S-06D-06NWS37-0005	Green fine mesh on surface
0.0		Clay, Pebbles, Asphalt(?) Sand	mixed Black + Brown	Dry Heterogeneous Not-Cohesive (crumbly)	large		S-06D-06NWS37-0509	Heavy rope mesh at ~0.5'

File ID of digital photograph(s):

Comments:

Battelle
The Business of Innovation

Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	06-NWS-~~03~~38	Time On Station:	1340	All measurements are ±0.1 feet	
Core Sample ID:	S-06D-06NWS38-00-10	Northing (NAD 83):	2708819.2	Water Depth (*A*):	NA
Logged by:	DW	Easting (NAD 83):	815500.4	Length of push core assembly (*B*):	↓
Collection Mechanism:	*Push-Core*	GPS Accuracy:	2.5	Water surface to top of handle (*C*):	↓
Date:	11-7-06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	1.0'
		Time of Collection:	1350	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:		Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)* NA

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D*

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
1.0		med Sand clay	Brown	Soft wet	med		S-06D-06NWS38-00-05 *	
0.6	—	—	—	—	—	—	—	
		gravel Sand clay	gray	unconsolidated	Large		S-06D-06NWS38-05-10 (ARCHIVE)	
0.0								

File ID of digital photograph(s):

Comments:

* MS/MSD

Battelle
The Business of Innovation

Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	06-NWS-39	Time On Station:	1305	All measurements are ±0.1 feet	
Core Sample ID:	S-06D-06NWS39-00-08	Northing (NAD 83):	2708819.7	Water Depth (*A*):	NA
Logged by:	dm	Easting (NAD 83):	815580[9].2	Length of push core assembly (*B*):	↓
Collection Mechanism:	Push-Core	GPS Accuracy: (1)	2.5	Water surface to top of handle (*C*):	↓
Date:	11-7-06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	0.8 *
		Time of Collection:	1320	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	1335	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(*G*) Elevation of Water Surface (NVGD): *E - F*

(*H*) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(*z**) Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(*I*) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D* NA

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
0.8		med Sand clay	DK Brown	WET Cohesive	med			S-06D-06NWS39-0005
0.3		Coarse Sand pebbles Clay	gray	loose Unconsolidated	Large			S-06D-06NWS-39-05-08 (Archive)
0.0								

File ID of digital photograph(s):

Comments:

* Could not penetrate any deeper

(1) extra digit dm 11/7/06

Battelle
The Business of Innovation

Project Name: *New Bedford Harbor Environmental Monitoring* | Project #: *G606422*
Location: *New Bedford, MA* | Vessel: CR environmental skiff
Client: *USACE NAE* | Chief Scientist: Alex Mansfield

Station ID:	06-NWS-36	Time On Station:	1330	**All measurements are ±0.1 feet**	
Core Sample ID:	S-06D-06NWS36-00-05	Northing (NAD 83):	270876.6	Water Depth (*A*):	
Logged by:	MW	Easting (NAD 83):	815513.2	Length of push core assembly (*B*):	
Collection Mechanism:	*Push-Core*	GPS Accuracy:	2.5	Water surface to top of handle (*C*):	
Date:	11/6/06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	
		Time of Collection:	1340	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	1345	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D*

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

NA

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
0.8		coarse to fine sand with silt and organics	olive brown	sandy	fine to med.		S-06D-06NWS36-00-05 S-06D-06NWS36-05-08 (ARCHIVE)	
0.0								

File ID of digital photograph(s):

Comments:

Battelle
The Business of Innovation

Project Name: *New Bedford Harbor Environmental Monitoring* Project #: *G606422*
Location: *New Bedford, MA* Vessel: CR environmental skiff
Client: *USACE NAE* Chief Scientist: Alex Mansfield

Station ID:	06-NWS-35	Time On Station:	1345	**All measurements are ±0.1 feet**	
Core Sample ID:	S-06D-06NWS35-00-05	Northing (NAD 83):	2708761.2	Water Depth (*A*):	
Logged by:	MW	Easting (NAD 83):	815508.6	Length of push core assembly (*B*):	
Collection Mechanism:	*Push-Core*	GPS Accuracy:	2.4	Water surface to top of handle (*C*):	
Date:	11/6/06	Predicted Tide (ft):		Length of core (from bottom) (*D*):	
		Time of Collection:	1355	Surveyed elevation (NVGD 29) (*E*):	
		Time Depart Station:	1400	Water surface from surveyed elevation (*F*):	

Calculations for Determination of Z* Elevation

(G) Elevation of Water Surface (NVGD): *E - F*

(H) Elevation of the bottom of the core (NVGD): *G - (B - C)*

(z)* Elevation of visual transition (NVGD): *H + (distance to visual transition)*

(I) Elevation of the sediment-water interface as measured from bottom of core (NVGD): *H + D* NA

(I_2) Elevation of the sediment-water interface as measured from water depth (NVGD): *G - A*

(Note if $I \neq I_2$ within ± 1.0 feet, discard and resample)

Elevation (NVGD) (i.e. Bottom = *H*)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
0.7		Coarsely fine Sand with Silt and organics	olive gray	sandy	fine to med			Throughout
0.0								NOT enough material for Archives
								~~S-06NWS~~
								S-06D-06NWS35-00-05

File ID of digital photograph(s):

Comments:

Appendix B

Analytical Data

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North of Wood Street Sediment Analytical Results

Station ID	C006 -010			C006 -016			C006 -023			C006 -028		
Collected	11/7/2006			11/7/2006			11/7/2006			11/6/2006		
Fraction	TOTAL			TOTAL			TOTAL			TOTAL		
QC Code	SA			SA			SA			SA		
Sample ID	S-06D-C006010-00-05			S-06D-C006016-00-05			S-06D-C006023-00-05			S-06D-C006028-00-05		
Param Name	Result	Unit	FinQ	Result	Unit	FinQ	Result	Unit	FinQ	Result	Unit	FinQ
2,4'-Dicb (PCB 8)	0.07017	MG/KG_DRYWT	DME	0.76278	MG/KG_DRYWT	DME	0.2953	MG/KG_DRYWT	DME	0.6821	MG/KG_DRYWT	DME
2,2',5-Tricb (PCB 18)	0.18309	MG/KG_DRYWT	D	1.31126	MG/KG_DRYWT	D	0.56364	MG/KG_DRYWT	D	0.8542	MG/KG_DRYWT	D
2,4,4'-Tricb (PCB 28)	0.17955	MG/KG_DRYWT	D	0.00998	MG/KG_DRYWT	DU	0.62834	MG/KG_DRYWT	D	1.2389	MG/KG_DRYWT	D
2,2',3,5'-Tetracb (PCB 44)	0.0957	MG/KG_DRYWT	D	0.40902	MG/KG_DRYWT	D	0.23439	MG/KG_DRYWT	D	0.444	MG/KG_DRYWT	D
2,2',5,5'-Tetracb (PCB 52)	0.16158	MG/KG_DRYWT	D	1.67855	MG/KG_DRYWT	D	0.72042	MG/KG_DRYWT	D	1.2943	MG/KG_DRYWT	D
2,3',4,4'-Tetracb (PCB 66)	0.05077	MG/KG_DRYWT	D	0.2138	MG/KG_DRYWT	D	0.12378	MG/KG_DRYWT	D	0.3596	MG/KG_DRYWT	D
2,2',4,5,5'-Pentacb (PCB 101)	0.04621	MG/KG_DRYWT	D	0.37671	MG/KG_DRYWT	D	0.20131	MG/KG_DRYWT	D	0.5095	MG/KG_DRYWT	D
2,3,3',4,4'-Pentacb (PCB 105)	0.02317	MG/KG_DRYWT	D	0.06461	MG/KG_DRYWT	D	0.03058	MG/KG_DRYWT	D	0.1035	MG/KG_DRYWT	D
2,3',4,4',5-Pentacb (PCB 118)	0.04118	MG/KG_DRYWT	D	0.29237	MG/KG_DRYWT	D	0.15036	MG/KG_DRYWT	D	0.436	MG/KG_DRYWT	D
2,2',3,3',4,4'-Hexacb (PCB 128)	0.0093	MG/KG_DRYWT	DU	0.03452	MG/KG_DRYWT	D	0.0131	MG/KG_DRYWT	Dp	0.0459	MG/KG_DRYWT	D
2,2',3,4,4',5'-Hexacb (PCB 138)	0.03358	MG/KG_DRYWT	Dp	0.21266	MG/KG_DRYWT	D	0.09221	MG/KG_DRYWT	D	0.2782	MG/KG_DRYWT	D
2,2',4,4',5,5'-Hexacb (PCB 153)	0.03717	MG/KG_DRYWT	D	0.38961	MG/KG_DRYWT	D	0.18165	MG/KG_DRYWT	D	0.4319	MG/KG_DRYWT	D
2,2',3,3',4,4',5-Heptacb (PCB 170)	0.0093	MG/KG_DRYWT	DU	0.01003	MG/KG_DRYWT	DpJ	0.00942	MG/KG_DRYWT	DU	0.0133	MG/KG_DRYWT	Dp
2,2',3,4,4',5,5'-Heptacb (PCB 180)	0.0093	MG/KG_DRYWT	DU	0.04165	MG/KG_DRYWT	D	0.01885	MG/KG_DRYWT	Dp	0.0464	MG/KG_DRYWT	D
2,2',3,4',5,5',6-Heptacb (PCB 187)	0.00921	MG/KG_DRYWT	DU	0.03994	MG/KG_DRYWT	D	0.01617	MG/KG_DRYWT	Dp	0.0354	MG/KG_DRYWT	D
2,2',3,3',4,4',5,6-Octacb (PCB 195)	0.0093	MG/KG_DRYWT	DU	0.01008	MG/KG_DRYWT	DU	0.00942	MG/KG_DRYWT	DU	0.0099	MG/KG_DRYWT	DU
2,2',3,3',4,4',5,5',6-Nonacb (PCB 206)	0.00921	MG/KG_DRYWT	DU	0.00998	MG/KG_DRYWT	DU	0.00933	MG/KG_DRYWT	DU	0.0098	MG/KG_DRYWT	DU
Decacb - Congener (PCB 209)	0.00921	MG/KG_DRYWT	DU	0.00998	MG/KG_DRYWT	DU	0.00933	MG/KG_DRYWT	DU	0.0098	MG/KG_DRYWT	DU
Total MonoCB										0.0529	MG/KG_DRYWT	D
Total DiCB										1.8993	MG/KG_DRYWT	D
Total TriCB										6.5774	MG/KG_DRYWT	D
Total TetraCB										4.9495	MG/KG_DRYWT	D
Total PentaCB										4.159	MG/KG_DRYWT	D
Total HexaCB										1.4305	MG/KG_DRYWT	D
Total HeptaCB										0.2605	MG/KG_DRYWT	D
Total OctaCB										0.0196	MG/KG_DRYWT	DU
Total NonaCB										0.0196	MG/KG_DRYWT	DU
DecaCB										0.0196	MG/KG_DRYWT	DU
Total PCB Congeners (sum CONG x 2.6)	2.4	MG/KG_DRYWT		15	MG/KG_DRYWT		8.5	MG/KG_DRYWT		18	MG/KG_DRYWT	
Total PCB Homologues (sum HOM)										19	MG/KG_DRYWT	

North of Wood Street Sediment Analytical Results

Station ID	C006 -028			C006-030W			C006-030E			C006 -033		
Collected	11/6/2006			11/6/2006			11/7/2006			11/6/2006		
Fraction	TOTAL			TOTAL			TOTAL			TOTAL		
QC Code	REP			SA			SA			SA		
Sample ID	S-06D-C006028-00-05-DUP			S-06D-C006030E-00-05			S-06D-C006030W-00-05			S-06D-C006033-00-05		
Param Name	Result	Unit	FinQ	Result	Unit	FinQ	Result	Unit	FinQ	Result	Unit	FinQ
2,4'-Dicb (PCB 8)	0.23974	MG/KG_DRYWT	DME	0.00391	MG/KG_DRYWT	DME	0.00594	MG/KG_DRYWT	DME	2.03	MG/KG_DRYWT	D
2,2',5-Tricb (PCB 18)	0.49654	MG/KG_DRYWT	D	0.00848	MG/KG_DRYWT	D	0.017	MG/KG_DRYWT	D	4.5238	MG/KG_DRYWT	D
2,4,4'-Tricb (PCB 28)	0.73319	MG/KG_DRYWT	D	0.00922	MG/KG_DRYWT	D	0.02937	MG/KG_DRYWT	D	6.7995	MG/KG_DRYWT	D
2,2',3,5'-Tetracb (PCB 44)	0.27768	MG/KG_DRYWT	D	0.00409	MG/KG_DRYWT	D	0.0203	MG/KG_DRYWT	D	2.6765	MG/KG_DRYWT	D
2,2',5,5'-Tetracb (PCB 52)	0.84896	MG/KG_DRYWT	D	0.01222	MG/KG_DRYWT	D	0.03604	MG/KG_DRYWT	D	9.1118	MG/KG_DRYWT	D
2,3',4,4'-Tetracb (PCB 66)	0.13959	MG/KG_DRYWT	D	0.00408	MG/KG_DRYWT	D	0.02376	MG/KG_DRYWT	D	1.1834	MG/KG_DRYWT	D
2,2',4,5,5'-Pentacb (PCB 101)	0.24927	MG/KG_DRYWT	D	0.00554	MG/KG_DRYWT	D	0.03108	MG/KG_DRYWT	D	2.5952	MG/KG_DRYWT	D
2,3,3',4,4'-Pentacb (PCB 105)	0.03108	MG/KG_DRYWT	D	0.00118	MG/KG_DRYWT	D	0.00881	MG/KG_DRYWT	Dp	0.3079	MG/KG_DRYWT	D
2,3',4,4',5-Pentacb (PCB 118)	0.17686	MG/KG_DRYWT	D	0.00644	MG/KG_DRYWT	D	0.032	MG/KG_DRYWT	D	1.827	MG/KG_DRYWT	D
2,2',3,3',4,4'-Hexacb (PCB 128)	0.01669	MG/KG_DRYWT	Dp	0.00101	MG/KG_DRYWT	DU	0.00509	MG/KG_DRYWT	D	0.165	MG/KG_DRYWT	Dp
2,2',3,4,4',5'-Hexacb (PCB 138)	0.12583	MG/KG_DRYWT	D	0.00178	MG/KG_DRYWT	D	0.02555	MG/KG_DRYWT	D	1.3786	MG/KG_DRYWT	D
2,2',4,4',5,5'-Hexacb (PCB 153)	0.23808	MG/KG_DRYWT	D	0.0049	MG/KG_DRYWT	D	0.03335	MG/KG_DRYWT	D	2.6999	MG/KG_DRYWT	D
2,2',3,3',4,4',5-Heptacb (PCB 170)	0.01012	MG/KG_DRYWT	DU	0.00101	MG/KG_DRYWT	DU	0.00332	MG/KG_DRYWT	Dp	0.1026	MG/KG_DRYWT	DU
2,2',3,4,4',5,5'-Heptacb (PCB 180)	0.02836	MG/KG_DRYWT	Dp	0.00101	MG/KG_DRYWT	DU	0.00479	MG/KG_DRYWT	Dp	0.3183	MG/KG_DRYWT	Dp
2,2',3,4',5,5',6-Heptacb (PCB 187)	0.02531	MG/KG_DRYWT	D	0.001	MG/KG_DRYWT	DU	0.00153	MG/KG_DRYWT	Dp	0.3134	MG/KG_DRYWT	Dp
2,2',3,3',4,4',5,6-Octacb (PCB 195)	0.01012	MG/KG_DRYWT	DU	0.00101	MG/KG_DRYWT	DU	0.00089	MG/KG_DRYWT	DU	0.1026	MG/KG_DRYWT	DU
2,2',3,3',4,4',5,5',6-Nonacb (PCB 206)	0.01002	MG/KG_DRYWT	DU	0.001	MG/KG_DRYWT	DU	0.00088	MG/KG_DRYWT	DU	0.1016	MG/KG_DRYWT	DU
Decacb - Congener (PCB 209)	0.01002	MG/KG_DRYWT	DU	0.001	MG/KG_DRYWT	DU	0.00088	MG/KG_DRYWT	DU	0.1016	MG/KG_DRYWT	DU
Total MonoCB	0.00492	MG/KG_DRYWT	DJ									
Total DiCB	0.78685	MG/KG_DRYWT	D									
Total TriCB	3.93585	MG/KG_DRYWT	D									
Total TetraCB	2.94762	MG/KG_DRYWT	D									
Total PentaCB	2.22308	MG/KG_DRYWT	D									
Total HexaCB	0.7373	MG/KG_DRYWT	D									
Total HeptaCB	0.13824	MG/KG_DRYWT	D									
Total OctaCB	0.02004	MG/KG_DRYWT	DU									
Total NonaCB	0.02004	MG/KG_DRYWT	DU									
DecaCB	0.02004	MG/KG_DRYWT	DU									
Total PCB Congeners (sum CONG x 2.6)	9.4	MG/KG_DRYWT		0.16	MG/KG_DRYWT		0.72	MG/KG_DRYWT		93	MG/KG_DRYWT	
Total PCB Homologues (sum HOM)	11	MG/KG_DRYWT										

North of Wood Street Sediment Analytical Results

Station ID	C006 -038			C006 -039			C006 -040			C006 -048		
Collected	11/8/2006			11/6/2006			11/6/2006			11/6/2006		
Fraction	TOTAL			TOTAL			TOTAL			TOTAL		
QC Code	SA			SA			SA			SA		
Sample ID	S-06D-C006038-00-05			S-06D-C006039-00-05			S-06D-C006040-00-05			S-06D-C006048-00-05		
Param Name	Result	Unit	FinQ	Result	Unit	FinQ	Result	Unit	FinQ	Result	Unit	FinQ
2,4'-Dicb (PCB 8)	0.04387	MG/KG_DRYWT	DME	0.32948	MG/KG_DRYWT	D	1.60337	MG/KG_DRYWT	D	2.2249	MG/KG_DRYWT	D
2,2',5-Tricb (PCB 18)	0.08765	MG/KG_DRYWT	D	0.71267	MG/KG_DRYWT	D	3.58273	MG/KG_DRYWT	D	4.9156	MG/KG_DRYWT	D
2,4,4'-Tricb (PCB 28)	0.13815	MG/KG_DRYWT	D	0.90014	MG/KG_DRYWT	D	3.55414	MG/KG_DRYWT	D	7.0581	MG/KG_DRYWT	D
2,2',3,5'-Tetracb (PCB 44)	0.04969	MG/KG_DRYWT	D	0.40169	MG/KG_DRYWT	D	1.30759	MG/KG_DRYWT	D	3.1449	MG/KG_DRYWT	D
2,2',5,5'-Tetracb (PCB 52)	0.19262	MG/KG_DRYWT	D	1.32295	MG/KG_DRYWT	D	4.70769	MG/KG_DRYWT	D	9.7601	MG/KG_DRYWT	D
2,3',4,4'-Tetracb (PCB 66)	0.02011	MG/KG_DRYWT	D	0.15537	MG/KG_DRYWT	D	0.44133	MG/KG_DRYWT	D	1.3568	MG/KG_DRYWT	D
2,2',4,5,5'-Pentacb (PCB 101)	0.04385	MG/KG_DRYWT	D	0.30953	MG/KG_DRYWT	D	0.88407	MG/KG_DRYWT	D	2.7937	MG/KG_DRYWT	D
2,3,3',4,4'-Pentacb (PCB 105)	0.01105	MG/KG_DRYWT	D	0.0163	MG/KG_DRYWT	D	0.17116	MG/KG_DRYWT	D	0.437	MG/KG_DRYWT	D
2,3',4,4',5-Pentacb (PCB 118)	0.03383	MG/KG_DRYWT	D	0.22586	MG/KG_DRYWT	D	0.57349	MG/KG_DRYWT	D	1.9893	MG/KG_DRYWT	D
2,2',3,3',4,4'-Hexacb (PCB 128)	0.01022	MG/KG_DRYWT	DU	0.00884	MG/KG_DRYWT	DJ	0.09564	MG/KG_DRYWT	DU	0.2147	MG/KG_DRYWT	Dp
2,2',3,4,4',5'-Hexacb (PCB 138)	0.02706	MG/KG_DRYWT	Dp	0.20847	MG/KG_DRYWT	D	0.4671	MG/KG_DRYWT	D	1.6212	MG/KG_DRYWT	D
2,2',4,4',5,5'-Hexacb (PCB 153)	0.04427	MG/KG_DRYWT	D	0.33756	MG/KG_DRYWT	D	0.83434	MG/KG_DRYWT	D	2.8752	MG/KG_DRYWT	D
2,2',3,3',4,4',5-Heptacb (PCB 170)	0.01022	MG/KG_DRYWT	DU	0.01004	MG/KG_DRYWT	DU	0.09564	MG/KG_DRYWT	DU	0.1117	MG/KG_DRYWT	DU
2,2',3,4,4',5,5'-Heptacb (PCB 180)	0.01022	MG/KG_DRYWT	DU	0.03185	MG/KG_DRYWT	Dp	0.09564	MG/KG_DRYWT	DU	0.3498	MG/KG_DRYWT	Dp
2,2',3,4',5,5',6-Heptacb (PCB 187)	0.00116	MG/KG_DRYWT	DpJ	0.03941	MG/KG_DRYWT	D	0.0947	MG/KG_DRYWT	DU	0.2974	MG/KG_DRYWT	Dp
2,2',3,3',4,4',5,6-Octacb (PCB 195)	0.01022	MG/KG_DRYWT	DU	0.01004	MG/KG_DRYWT	DU	0.09564	MG/KG_DRYWT	DU	0.1117	MG/KG_DRYWT	DU
2,2',3,3',4,4',5,5',6-Nonacb (PCB 206)	0.01012	MG/KG_DRYWT	DU	0.00994	MG/KG_DRYWT	DU	0.0947	MG/KG_DRYWT	DU	0.1106	MG/KG_DRYWT	DU
Decacb - Congener (PCB 209)	0.01012	MG/KG_DRYWT	DU	0.00994	MG/KG_DRYWT	DU	0.0947	MG/KG_DRYWT	DU	0.1106	MG/KG_DRYWT	DU
Total MonoCB												
Total DiCB												
Total TriCB												
Total TetraCB												
Total PentaCB												
Total HexaCB												
Total HeptaCB												
Total OctaCB												
Total NonaCB												
DecaCB												
Total PCB Congeners (sum CONG x 2.6)	1.8	MG/KG_DRYWT		13	MG/KG_DRYWT		47	MG/KG_DRYWT		100	MG/KG_DRYWT	
Total PCB Homologues (sum HOM)												

North of Wood Street Sediment Analytical Results

Station ID	C006 -049			C006 -055			C006 -062			06-NWS-33		
Collected	11/6/2006			11/7/2006			11/7/2006			11/15/2006		
Fraction	TOTAL			TOTAL			TOTAL			TOTAL		
QC Code	SA			SA			SA			SA		
Sample ID	S-06D-C006049-00-05			S-06D-C006055-00-05			S-06D-C006062-00-05			S-06D-06NWS33-00-05		
Param Name	Result	Unit	FinQ	Result	Unit	FinQ	Result	Unit	FinQ	Result	Unit	FinQ
2,4'-Dicb (PCB 8)	0.37667	MG/KG_DRYWT	DME	0.249	MG/KG_DRYWT	D	2.0141	MG/KG_DRYWT	D	0.0007	MG/KG_DRYWT	DME
2,2',5-Tricb (PCB 18)	0.66962	MG/KG_DRYWT	D	0.52599	MG/KG_DRYWT	D	3.6466	MG/KG_DRYWT	D	0.0006	MG/KG_DRYWT	D
2,4,4'-Tricb (PCB 28)	0.87857	MG/KG_DRYWT	D	0.68314	MG/KG_DRYWT	D	3.1674	MG/KG_DRYWT	D	0.00114	MG/KG_DRYWT	D
2,2',3,5'-Tetracb (PCB 44)	0.34302	MG/KG_DRYWT	D	0.32009	MG/KG_DRYWT	D	0.6755	MG/KG_DRYWT	D	0.00017	MG/KG_DRYWT	DJ
2,2',5,5'-Tetracb (PCB 52)	1.03535	MG/KG_DRYWT	D	0.94872	MG/KG_DRYWT	D	4.0954	MG/KG_DRYWT	D	0.00135	MG/KG_DRYWT	Dp
2,3',4,4'-Tetracb (PCB 66)	0.15605	MG/KG_DRYWT	D	0.12038	MG/KG_DRYWT	D	0.1288	MG/KG_DRYWT	D	0.00059	MG/KG_DRYWT	Dp
2,2',4,5,5'-Pentacb (PCB 101)	0.29094	MG/KG_DRYWT	D	0.23872	MG/KG_DRYWT	D	0.446	MG/KG_DRYWT	D	0.00036	MG/KG_DRYWT	D
2,3,3',4,4'-Pentacb (PCB 105)	0.03173	MG/KG_DRYWT	D	0.01035	MG/KG_DRYWT	D	0.0704	MG/KG_DRYWT	D	0.0003	MG/KG_DRYWT	DU
2,3',4,4',5-Pentacb (PCB 118)	0.19881	MG/KG_DRYWT	D	0.17262	MG/KG_DRYWT	D	0.257	MG/KG_DRYWT	D	0.0006	MG/KG_DRYWT	Dp
2,2',3,3',4,4'-Hexacb (PCB 128)	0.01016	MG/KG_DRYWT	DU	0.0041	MG/KG_DRYWT	DpJ	0.048	MG/KG_DRYWT	DU	0.0003	MG/KG_DRYWT	DU
2,2',3,4,4',5'-Hexacb (PCB 138)	0.136	MG/KG_DRYWT	D	0.14961	MG/KG_DRYWT	D	0.2363	MG/KG_DRYWT	Dp	0.0003	MG/KG_DRYWT	DU
2,2',4,4',5,5'-Hexacb (PCB 153)	0.26526	MG/KG_DRYWT	D	0.23944	MG/KG_DRYWT	D	0.5182	MG/KG_DRYWT	D	0.0003	MG/KG_DRYWT	DU
2,2',3,3',4,4',5-Heptacb (PCB 170)	0.00894	MG/KG_DRYWT	DpJ	0.0099	MG/KG_DRYWT	DU	0.048	MG/KG_DRYWT	DU	0.0003	MG/KG_DRYWT	DU
2,2',3,4,4',5,5'-Heptacb (PCB 180)	0.01016	MG/KG_DRYWT	DU	0.01947	MG/KG_DRYWT	Dp	0.048	MG/KG_DRYWT	DU	0.0003	MG/KG_DRYWT	DU
2,2',3,4',5,5',6-Heptacb (PCB 187)	0.0312	MG/KG_DRYWT	Dp	0.01968	MG/KG_DRYWT	D	0.0621	MG/KG_DRYWT	Dp	0.0003	MG/KG_DRYWT	DU
2,2',3,3',4,4',5,6-Octacb (PCB 195)	0.01016	MG/KG_DRYWT	DU	0.0099	MG/KG_DRYWT	DU	0.048	MG/KG_DRYWT	DU	0.0003	MG/KG_DRYWT	DU
2,2',3,3',4,4',5,5',6-Nonacb (PCB 206)	0.01006	MG/KG_DRYWT	DU	0.0098	MG/KG_DRYWT	DU	0.0475	MG/KG_DRYWT	DU	0.0003	MG/KG_DRYWT	DU
Decacb - Congener (PCB 209)	0.01006	MG/KG_DRYWT	DU	0.0098	MG/KG_DRYWT	DU	0.0475	MG/KG_DRYWT	DU	0.0003	MG/KG_DRYWT	DU
Total MonoCB												
Total DiCB												
Total TriCB												
Total TetraCB												
Total PentaCB												
Total HexaCB												
Total HeptaCB												
Total OctaCB												
Total NonaCB												
DecaCB												
Total PCB Congeners (sum CONG x 2.6)	12	MG/KG_DRYWT		9.6	MG/KG_DRYWT		40	MG/KG_DRYWT		0.014	MG/KG_DRYWT	
Total PCB Homologues (sum HOM)												

North of Wood Street Sediment Analytical Results

Station ID	06-NWS-34			06-NWS-35			06-NWS-36			06-NWS-37		
Collected	11/7/2006			11/6/2006			11/6/2006			11/7/2006		
Fraction	TOTAL			TOTAL			TOTAL			TOTAL		
QC Code	SA			SA			SA			SA		
Sample ID	S-06D-06NWS34-00-05			S-06D-06NWS35-00-05			S-06D-06NWS36-00-05			S-06D-06NWS37-00-05		
Param Name	Result	Unit	FinQ	Result	Unit	FinQ	Result	Unit	FinQ	Result	Unit	FinQ
2,4'-Dicb (PCB 8)	0.11017	MG/KG_DRYWT	DME	0.00878	MG/KG_DRYWT	DME	0.007	MG/KG_DRYWT	DME	0.00951	MG/KG_DRYWT	DME
2,2',5-Tricb (PCB 18)	0.19797	MG/KG_DRYWT	D	0.01524	MG/KG_DRYWT	D	0.00893	MG/KG_DRYWT	D	0.01385	MG/KG_DRYWT	D
2,4,4'-Tricb (PCB 28)	0.19835	MG/KG_DRYWT	D	0.02014	MG/KG_DRYWT	Dp	0.00962	MG/KG_DRYWT	D	0.01496	MG/KG_DRYWT	D
2,2',3,5'-Tetracb (PCB 44)	0.10143	MG/KG_DRYWT	D	0.00589	MG/KG_DRYWT	D	0.00263	MG/KG_DRYWT	D	0.00971	MG/KG_DRYWT	D
2,2',5,5'-Tetracb (PCB 52)	0.25154	MG/KG_DRYWT	D	0.01414	MG/KG_DRYWT	Dp	0.00996	MG/KG_DRYWT	Dp	0.0186	MG/KG_DRYWT	D
2,3',4,4'-Tetracb (PCB 66)	0.05957	MG/KG_DRYWT	D	0.00641	MG/KG_DRYWT	D	0.00276	MG/KG_DRYWT	D	0.01585	MG/KG_DRYWT	D
2,2',4,5,5'-Pentacb (PCB 101)	0.09264	MG/KG_DRYWT	D	0.00769	MG/KG_DRYWT	D	0.00224	MG/KG_DRYWT	D	0.01021	MG/KG_DRYWT	D
2,3,3',4,4'-Pentacb (PCB 105)	0.0336	MG/KG_DRYWT	D	0.00318	MG/KG_DRYWT	Dp	0.00149	MG/KG_DRYWT	D	0.00373	MG/KG_DRYWT	Dp
2,3',4,4',5-Pentacb (PCB 118)	0.07742	MG/KG_DRYWT	D	0.00936	MG/KG_DRYWT	D	0.00306	MG/KG_DRYWT	Dp	0.01228	MG/KG_DRYWT	D
2,2',3,3',4,4'-Hexacb (PCB 128)	0.01312	MG/KG_DRYWT	Dp	0.00104	MG/KG_DRYWT	DU	0.00114	MG/KG_DRYWT	DU	0.00201	MG/KG_DRYWT	Dp
2,2',3,4,4',5'-Hexacb (PCB 138)	0.06307	MG/KG_DRYWT	D	0.00559	MG/KG_DRYWT	D	0.00215	MG/KG_DRYWT	Dp	0.00977	MG/KG_DRYWT	D
2,2',4,4',5,5'-Hexacb (PCB 153)	0.08289	MG/KG_DRYWT	D	0.00731	MG/KG_DRYWT	D	0.00246	MG/KG_DRYWT	D	0.012	MG/KG_DRYWT	D
2,2',3,3',4,4',5-Heptacb (PCB 170)	0.01016	MG/KG_DRYWT	DU	0.00104	MG/KG_DRYWT	DU	0.00114	MG/KG_DRYWT	DU	0.00098	MG/KG_DRYWT	DU
2,2',3,4,4',5,5'-Heptacb (PCB 180)	0.01227	MG/KG_DRYWT	Dp	0.00104	MG/KG_DRYWT	DU	0.00114	MG/KG_DRYWT	DU	0.00312	MG/KG_DRYWT	Dp
2,2',3,4',5,5',6-Heptacb (PCB 187)	0.00182	MG/KG_DRYWT	DpJ	0.00103	MG/KG_DRYWT	DU	0.00113	MG/KG_DRYWT	DU	0.00097	MG/KG_DRYWT	DU
2,2',3,3',4,4',5,6-Octacb (PCB 195)	0.01016	MG/KG_DRYWT	DU	0.00104	MG/KG_DRYWT	DU	0.00114	MG/KG_DRYWT	DU	0.00098	MG/KG_DRYWT	DU
2,2',3,3',4,4',5,5',6-Nonacb (PCB 206)	0.01006	MG/KG_DRYWT	DU	0.00103	MG/KG_DRYWT	DU	0.00113	MG/KG_DRYWT	DU	0.00097	MG/KG_DRYWT	DU
Decacb - Congener (PCB 209)	0.01006	MG/KG_DRYWT	DU	0.00103	MG/KG_DRYWT	DU	0.00113	MG/KG_DRYWT	DU	0.00097	MG/KG_DRYWT	DU
Total MonoCB	0.01515	MG/KG_DRYWT	DJ									
Total DiCB	0.48518	MG/KG_DRYWT	D									
Total TriCB	1.26492	MG/KG_DRYWT	D									
Total TetraCB	0.90591	MG/KG_DRYWT	D									
Total PentaCB	0.81573	MG/KG_DRYWT	D									
Total HexaCB	0.3911	MG/KG_DRYWT	D									
Total HeptaCB	0.02012	MG/KG_DRYWT	DU									
Total OctaCB	0.02012	MG/KG_DRYWT	DU									
Total NonaCB	0.02012	MG/KG_DRYWT	DU									
DecaCB	0.02012	MG/KG_DRYWT	DU									
Total PCB Congeners (sum CONG x 2.6)	3.4	MG/KG_DRYWT		0.27	MG/KG_DRYWT		0.14	MG/KG_DRYWT		0.35	MG/KG_DRYWT	
Total PCB Homologues (sum HOM)	3.9	MG/KG_DRYWT										

North of Wood Street Sediment Analytical Results

Station ID	06-NWS-38			06-NWS-39		
Collected	11/7/2006			11/7/2006		
Fraction	TOTAL			TOTAL		
QC Code	SA			SA		
Sample ID	S-06D-06NWS38-00-05			S-06D-06NWS39-00-05		
Param Name	Result	Unit	FinQ	Result	Unit	FinQ
2,4'-Dicb (PCB 8)	0.00558	MG/KG_DRYWT	DME	0.00188	MG/KG_DRYWT	DME
2,2',5-Tricb (PCB 18)	0.0079	MG/KG_DRYWT	D	0.00635	MG/KG_DRYWT	D
2,4,4'-Tricb (PCB 28)	0.00988	MG/KG_DRYWT	D	0.00544	MG/KG_DRYWT	D
2,2',3,5'-Tetracb (PCB 44)	0.00311	MG/KG_DRYWT	D	0.00153	MG/KG_DRYWT	D
2,2',5,5'-Tetracb (PCB 52)	0.00969	MG/KG_DRYWT	Dp	0.00611	MG/KG_DRYWT	Dp
2,3',4,4'-Tetracb (PCB 66)	0.00295	MG/KG_DRYWT	D	0.00209	MG/KG_DRYWT	D
2,2',4,5,5'-Pentacb (PCB 101)	0.00346	MG/KG_DRYWT	D	0.00128	MG/KG_DRYWT	D
2,3,3',4,4'-Pentacb (PCB 105)	0.00394	MG/KG_DRYWT	Dp	0.0013	MG/KG_DRYWT	D
2,3',4,4',5-Pentacb (PCB 118)	0.00422	MG/KG_DRYWT	D	0.00248	MG/KG_DRYWT	Dp
2,2',3,3',4,4'-Hexacb (PCB 128)	0.00114	MG/KG_DRYWT	DU	0.00102	MG/KG_DRYWT	DU
2,2',3,4,4',5'-Hexacb (PCB 138)	0.00405	MG/KG_DRYWT	Dp	0.00098	MG/KG_DRYWT	DJ
2,2',4,4',5,5'-Hexacb (PCB 153)	0.00411	MG/KG_DRYWT	D	0.00206	MG/KG_DRYWT	Dp
2,2',3,3',4,4',5-Heptacb (PCB 170)	0.00114	MG/KG_DRYWT	DU	0.00102	MG/KG_DRYWT	DU
2,2',3,4,4',5,5'-Heptacb (PCB 180)	0.00114	MG/KG_DRYWT	DU	0.00102	MG/KG_DRYWT	DU
2,2',3,4',5,5',6-Heptacb (PCB 187)	0.00112	MG/KG_DRYWT	DU	0.00101	MG/KG_DRYWT	DU
2,2',3,3',4,4',5,6-Octacb (PCB 195)	0.00114	MG/KG_DRYWT	DU	0.00102	MG/KG_DRYWT	DU
2,2',3,3',4,4',5,5',6-Nonacb (PCB 206)	0.00112	MG/KG_DRYWT	DU	0.00101	MG/KG_DRYWT	DU
Decacb - Congener (PCB 209)	0.00112	MG/KG_DRYWT	DU	0.00101	MG/KG_DRYWT	DU
Total MonoCB	0.00078	MG/KG_DRYWT	DJ			
Total DiCB	0.02021	MG/KG_DRYWT	D			
Total TriCB	0.161	MG/KG_DRYWT	D			
Total TetraCB	0.04705	MG/KG_DRYWT	D			
Total PentaCB	0.03199	MG/KG_DRYWT	D			
Total HexaCB	0.02144	MG/KG_DRYWT	D			
Total HeptaCB	0.00691	MG/KG_DRYWT	D			
Total OctaCB	0.00225	MG/KG_DRYWT	DU			
Total NonaCB	0.00225	MG/KG_DRYWT	DU			
DecaCB	0.00225	MG/KG_DRYWT	DU			
Total PCB Congeners (sum CONG x 2.6)	0.15	MG/KG_DRYWT		0.082	MG/KG_DRYWT	
Total PCB Homologues (sum HOM)	0.29	MG/KG_DRYWT				

Qualifiers:

D	Dilution run. Initial run outside linear range of instrument
J	Analyte detected below the sample specific reporting limit
ME	Significant Matrix Interference - Estimated value
p	The relative percent difference (RPD) between the values obtained from the dual columns is >40%.
U	Analyte not detected at 3:1 signal:noise ratio. Reporting limit is reported.

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